

Kamil Furtak

Senior Angular Engineer

kamil@furtak.dev | [+48 797 665 797](tel:+48797665797) | furtak.dev | linkedin.com/in/kamilfurtak | github.com/kamilfurtak

PROFILE

Senior Angular Engineer with 10+ years of experience in enterprise web applications, geospatial interfaces and reusable UI libraries. I specialize in Angular, TypeScript, RxJS and Nx, with a focus on incremental UI modernization, explicit state ownership and testable integration boundaries.

Maintainer of ng-openlayers, a published Angular/OpenLayers library with 27 interactive examples. I combine hands-on frontend architecture with practical backend integration experience and use AI tools to support implementation, source review and verification.

PROFESSIONAL EXPERIENCE

Senior Angular Engineer / Frontend Architecture

Geomatyka-Krakow | Aug 2022 - Present

- Design and implement Angular frontend architecture for geodesy, cartography, document and public administration systems.
- Build and maintain Nx monorepos, shared Angular libraries and reusable UI components for domain-heavy workflows.
- Support migration from legacy Kendo/jQuery portals to Angular-based Kendo UI, documenting how new interfaces coexist with established workflows.
- Develop Angular/OpenLayers map functionality, including spatial object interactions and sketching/editing workflows.
- Build Nx generators and development automation; review code, debug integration issues and validate changes with automated tests.
- Work with Java, C# and Node.js integration code when needed, while retaining a primary focus on frontend architecture and implementation.

Senior Angular Frontend Developer

Geomatyka-Krakow | Jan 2020 - Aug 2022

- Built Angular SPAs with TypeScript, RxJS, modular routing and shared components; integrated REST APIs with typed models and error handling.
- Improved application structure and performance through lazy loading, AOT builds and change-detection strategies.
- Developed Kendo UI, Angular Material and custom forms; supported regression testing with Jasmine, Karma and Cypress.

Angular Frontend Developer

Geomatyka-Krakow | Jan 2017 - Dec 2019

- Developed Angular applications with reusable components, services, routing and route guards for business and geospatial workflows.
- Improved maintainability and release reliability through code reviews, CI/CD and automated testing.

Fullstack / JavaScript Developer

Geomatyka-Krakow | Aug 2013 - Dec 2016

- Developed web applications with JavaScript, jQuery, Knockout, Kendo UI, PHP/Symfony, Java, REST APIs, Oracle SQL, HTML and CSS.
- Implemented frontend/backend integrations, optimized browser behavior and maintained asset build pipelines.

SELECTED PROJECTS & OPEN SOURCE

ng-openlayers - open-source maintainer: Maintain a published Angular/OpenLayers wrapper with 27 interactive examples. Work includes component and event lifecycle, projection changes, API compatibility and regression checks against the built npm package. [Library and demos](#) | [Source and tests](#)

Angular UI modernization - independent portfolio sample: Demonstrate switching native and PrimeNG table renderers while retaining filters, sorting, selection and draft edits. An independent sample with fictional data, developed with AI assistance and verified with browser regression tests. [Try the workbench](#)

Identity integration architecture - independent case study: Document browser/API boundaries, generated contracts and failure modes around SAML and SOAP/WSDL. The public artifact is a static architecture walkthrough, informed by professional experience and self-directed integration prototypes. [Read the case study](#)

Accepted open-source contributions: [bolt.diy #1322](#): model search and keyboard navigation. [Hindsight #3656](#): schema configuration consistency with regression tests. Both changes were merged by the upstream projects.

TECHNICAL SKILLS

Frontend: Angular, TypeScript, RxJS, signals, JavaScript, HTML, CSS, OpenLayers

UI and architecture: Nx, reusable libraries, component APIs, Kendo UI, PrimeNG, Angular Material, Formly

Testing and quality: Jasmine, Karma, Cypress, Playwright, axe accessibility checks, code review

Integration experience: REST, OpenAPI, Java/Spring, C#/.NET, NestJS/Node.js, PHP/Symfony, SAML, SOAP/WSDL, SQL

Tools and delivery: Git, CI/CD, Linux, Docker, Nx generators, MCP, AI-assisted development workflows

EDUCATION

- **Postgraduate Studies - Java Web Developer**
The School of Management and Banking in Cracow, 2018 - 2019
- **Master's Degree - Environmental Engineering**
AGH University of Science and Technology, 2012 - 2013
- **Engineer's Degree - Information Technology Education**
Pedagogical University of Cracow, 2009 - 2013
- **Engineer's Degree - Environmental Engineering**
AGH University of Science and Technology, 2008 - 2011

CERTIFICATIONS

- Angular 2 Fundamentals - NobleProg Poland, 2017
- Docker for Developers and System Administrators - NobleProg Poland, 2016
- Oracle Hacking Session - Database Security, 2016

LANGUAGES

Polish: Native | English: B2, Upper-Intermediate